

ABC-170 Technical Specification

By AeroVironment

Utility Requirements

Voltage	3-phase, 240 Volts RMS, +10% / -20%, ≤ 5% imbalance
Current	370 ARMS
Frequency	60 ± 2 Hz (50 Hz optional)

AC Power Quality at Rated Power

Power Factor	> 99%
Harmonic Distortion	< 3% THD, no individual harmonic greater than 3%

DC Output

Operating Range

<u>Configuration</u>	<u>Voltage</u> ¹	<u>Current</u>	<u>Power</u> ²
Independent (2 channels)	8 to 420 VDC	-320 to +265 ADC	- 170 kW to + 125 kW
External Parallel	8 to 420 VDC	-640 to +530 ADC	- 170 kW to + 125 kW

Optional Range

<u>Voltage</u> ¹	<u>Current</u>	<u>Power</u> ²
421 to 435 VDC	-160 to +160 ADC	- 70 kW to + 70 kW
436 to 445 VDC	-90 to +90 ADC	- 40 kW to + 40 kW

¹Higher voltage limits (445 VDC) available as an option

²Continuous power rating

The above ranges are the maximum allowed by the system on a continuous basis. Voltage, current and power limits within the above ranges can be set by the user based on the load and test requirements.

Safety

- Emergency cutoff switch
- Automatic shutdown on loss of utility power
- Automatic load connect and disconnect
- Remote emergency cutoff switch available

Physical Specifications

Dimensions	Approx. 72"L x 30"D x 67"H (183cm x 76cm x 170cm)
Weight	Approx. 2,500 lbs (1,136kg)

All specifications are subject to change without notice.